

Title (en)
MOLDED CATALYST, PROCESS FOR PRODUCING THE MOLDED CATALYST, AND PROCESS FOR PRODUCING OXIRANE COMPOUND

Title (de)
GEFORMTER KATALYSATOR, VERFAHREN ZU DESSEN HERSTELLUNG SOWIE VERFAHREN ZUR HERSTELLUNG EINER OXIRANKOMPONENTE

Title (fr)
CATALYSEUR MOULE ET SON PROCEDE DE FABRICATION, ET PROCEDE DE FABRICATION DE COMPOSE D'OXIRANE

Publication
EP 1252928 A4 20041110 (EN)

Application
EP 01948950 A 20010129

Priority
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• JP 2000025052 A 20000202

Abstract (en)
[origin: EP1252928A1] A titanium-containing silicon oxide molded catalyst satisfying all of the following conditions (1) to (4): (1) an average pore diameter is 10 ÅNGSTROM or more, (2) 90% or more of the whole pore volume have pore diameters of 5 to 200 ÅNGSTROM, (3) a specific pore volume is 0.2 cm³/g or more, and (4) it is obtained by using as a template a quaternary ammonium ion of the following general formula (I) or an amine of the following general formula (II), then, removing the template. $\text{NR}^{(1)}\text{R}^{(2)}\text{R}^{(3)}\text{R}^{(4)}\text{U}^{(+)}$ (in the formula (I), R⁽¹⁾ represents a linear or branched hydrocarbon group having 2 to 36 carbon atoms, and R⁽²⁾ to R⁽⁴⁾ represent an alkyl group having 1 to 6 carbon atoms.) NR⁽⁵⁾R⁽⁶⁾R⁽⁷⁾ (in the formula (II), R⁽⁵⁾ represents a linear or branched hydrocarbon group having 2 to 36 carbon atoms, and R⁽⁶⁾ and R⁽⁷⁾ represent hydrogen or an alkyl group having 1 to 6 carbon atoms.).

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B01J 29/89; C07D 301/19; C07D 301/12; C07D 303/04; B01J 35/10; B01J 37/03

IPC 8 full level
B01J 21/06 (2006.01); **B01J 21/08** (2006.01); **B01J 37/00** (2006.01); **B01J 35/10** (2006.01)

CPC (source: EP KR US)
B01J 21/063 (2013.01 - EP US); **B01J 21/08** (2013.01 - EP KR US); **B01J 35/633** (2024.01 - KR); **B01J 35/64** (2024.01 - KR); **B01J 37/0009** (2013.01 - KR); **B01J 37/0018** (2013.01 - EP KR US); **C07D 301/19** (2013.01 - KR); **B01J 35/635** (2024.01 - EP US); **B01J 35/647** (2024.01 - EP US)

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